

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
18 August 2005 (18.08.2005)

PCT

(10) International Publication Number
WO 2005/074521 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/US2005/002543

(22) International Filing Date: 27 January 2005 (27.01.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/540,864 30 January 2004 (30.01.2004) US

(71) Applicant (for all designated States except US): **THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK** [US/US]; West 116th Street and Broadway, New York, NY 10027 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **FINE, Robert, L.** [US/US]; 7 Ernst Place, Tenafly, NJ 07670 (US). **BRANDT-RAUF, Paul** [US/US]; 40 Michael Drive, Scarsdale, NY 10583 (US). **MAO, Yueha** [US/US]; 600 West 169th Street, Apt. 4, New York, NY 10032 (US).

(74) Agent: **WHITE, John, P.**; Cooper & Dunahm LLP, 1185 Avenue of the Americas, New York, NY 10036 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

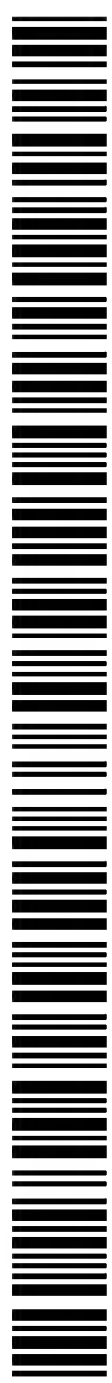
Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: C-TERMINAL p53 PALINDROMIC PEPTIDE THAT INDUCES APOPTOSIS OF CELLS WITH ABERRANT p53 AND USES THEREOF

(57) Abstract: Disclosed are polypeptides comprising a first segment of continuous amino acids having the sequence AQAGKEPG-GSRAHSSHLKSKKGQSTSRHKKLMFKTEGPDSD (SEQ ID N0. 1) covalently linked to a second segment of continuous amino acids having the sequence DSDPGETKFMLKKHRSTSQGGKSKLHSSHARSGGPEKGAQA (SEQ ID N0. 2), or at least two of each covalently linked to each other. The polypeptides are shown to induce apoptosis of cancer cells that contain mutant p53 or over-expressed wild-type p53.



WO 2005/074521 A2